

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Inventors: Y. MURAKAMI, et al., et al. Art Unit: 2611
Application No.: 10/579,745 Examiner: K. Zewdu
Filed: June 13, 2006 Conf. No.: 8872
For: MULTI-ANTENNA RECEPTION APPARATUS, MULTI-ANTENNA RECEPTION METHOD, MULTI-ANTENNA TRANSMISSION APPARATUS AND MULTI-ANTENNA COMMUNICATION SYSTEM

RESPONSE TO ELECTION OF SPECIES REQUIREMENT

Assistant Commissioner of Patents
Washington, DC 20231

Sir:

In response to the pending Election of Species Requirement, the Applicants hereby elect Species 6. Claims 14, 15, 18, 19, 20, and 23-26 are deemed to read thereon.

Moreover, it is submitted that Embodiments 6-8 relate to a single species, and all of claims 14-26 directed to these embodiments should be examined together, for the following reasons.

Embodiments 7 and 8 relate to Embodiment 6, as described in the present specification. Specifically, Embodiment 6 relates to subject matter wherein an interleaving pattern of the modulation signal transmitted from each antenna differs from one modulation signal to another, while Embodiment 7 applies the feature of embodiment 6 to a multicarrier communication scheme such as OFDM, and Embodiment 8 explains signal processing described in embodiment 6 with reference to Fig. 24. Claims 16, 17 and 22 are directed to embodiment 7, and claim 21 is directed to embodiment 8.

For the above reasons, examination of claims 14-26 together as directed to a single species of Embodiments 6-8 is respectfully requested.

Early and favorable action is respectfully requested.

Respectfully submitted,

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